

American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005



weekly statistical bulletin

STATISTICS DEPARTMENT

VOL. 65 For Week Ended October 12, 1984

NO. 41

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)

(All data are estimates made by the API based on data from reporting companies)

	Current Week Ending: 10/12/84	Last Week Ending: 10/05/84	Last Year Week Ending: 10/14/83	Change From Last Week	Change From Last Year
<u>Refinery Operations</u>					
Input to crude oil distillation units	12,239	12,201	12,095	38	144
Operable capacity	16,074	16,074	16,309	0	-235
Percent operated	76.1	75.9	74.2		
<u>Motor Gasoline</u>					
Total motor gasoline production	6,308	6,436	6,266	-128	42
Finished leaded motor gasoline production	2,398	2,411	2,746	-13	-348
Finished unleaded motor gasoline production	3,910	4,025	3,520	-115	390
Total motor gasoline stocks	228,739	227,672	230,076	1,067	-1,337
Finished leaded motor gasoline stocks	83,739	84,558	97,056	-819	-13,317
Finished unleaded motor gasoline stocks	105,612	104,958	94,460	654	11,152
<u>Distillate Fuel Oil</u>					
Distillate fuel oil production	2,608	2,782	2,637	-174	-29
Distillate fuel oil stocks	147,768	144,031	159,641	3,737	-11,873
<u>Residual Fuel Oil</u>					
Residual fuel oil production	822	863	747	-41	75
Residual fuel oil stocks	48,530	47,808	48,717	722	-187
<u>Imports</u>					
Crude oil imports	3,453	3,747	3,340	-294	113
Product imports	1,913	1,891	1,884	22	29
<u>Crude Oil Stocks</u>					
Crude oil stocks	337,113	331,096	350,524	6,017	-13,411

Total U.S. data for the current week's refinery operations, production, stocks and imports are available through a pre-recorded telephone message. The telephone number for this service is area code (202) 289-6949

NA-Not Available



STATISTICS DEPARTMENT

VOL. 65 For Week Ended October 12, 1984

NO. 41

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Input to Crude Oil Distillation Units	Operable Capacity	% Oper- ated
East Coast	1,135	988	995	1,405	70.8
Appal. No 1	101	97	97	115	84.3
DISTRICT 1 TOTAL	1,236	1,085	1,092	1,520	71.8
Appal. No. 2	66	65	65	66	98.5
Ind., Ill., Ky.	1,648	1,593	1,600	2,309	69.3
Minn., Wis., Daks.	303	289	298	303	98.3
Okla., Kans., Mo.	736	640	656	755	86.9
DISTRICT 2 TOTAL	2,753	2,587	2,619	3,433	76.3
Inland Texas	538	482	494	615	80.3
Texas Gulf Coast	3,417*	2,974*	3,040*	3,837	79.2*
La. Gulf Coast	2,136	2,047	2,047	2,562	79.9
N. La. and Ark.	155	155	156	302	51.7
New Mexico	78	63	63	114	55.3
DISTRICT 3 TOTAL	6,364*	5,721*	5,800*	7,430	78.1*
DISTRICT 4 TOTAL	447	414	415	537	77.3
DISTRICT 5 TOTAL	2,382	2,299	2,313	3,154	73.3
TOTAL U.S.	13,182	12,106	12,239	16,074	76.1
TOTAL U.S.					
Weeks Ended:					
OCT. 5, 1984	13,266*	12,086*	12,201*	16,074	75.9*
OCT. 14, 1983	12,630	11,844	12,095	16,309	74.2
DISTRICTS 1-4					
Weeks Ended:					
OCT. 12, 1984	10,800	9,807	9,926	12,920	76.6
OCT. 5, 1984	11,027*	9,949*	10,058*	12,920	77.8*
OCT. 14, 1983	10,660	9,851	10,087	13,249	76.1

* See Revisions on Page 8.

API WEEKLY STATISTICAL BULLETIN

Week Ended October 12, 1984

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type		
East Coast	512	116	396	11	64	201	103
Appal. No. 1	41	20	21	--	1	25	4
DISTRICT 1 TOTAL	553	136	417	11	65	226	107
Appal. No. 2	37	16	21	3	1	15	1
Ind., Ill., Ky.	1,008	343	665	11	90	315	39
Minn., Wis., Daks.	161	98	63	3	20	73	8
Okla., Kans., Mo.	375	164	211	12	38	156	10
DISTRICT 2 TOTAL	1,581	621	960	29	139	569	58
Inland Texas	303	150	153	30	21	136	25
Texas Gulf Coast	1,585	558	1,027	50	214	646	140
La. Gulf Coast	412	322	650	22	242	444	115
N. La. and Ark.	37	21	16	5	--	50	7
New Mexico	30	17	13	11	1	12	--
DISTRICT 3 TOTAL	2,927	1,068	1,859	118	478	1,288	287
DISTRICT 4 TOTAL	153	154	99	12	18	122	8
DISTRICT 5 TOTAL	994*	419	575*	56	235	403	362
TOTAL U.S.	6,308	2,398	3,910	226	935	2,608	822
TOTAL U.S.							
Weeks Ended:							
Oct. 5, 1984	6,436*	2,411	4,025*	221	922	2,782	863
Oct. 14, 1983	6,266	2,746	3,520	168	826	2,637	747
DISTRICTS 1-4							
Weeks Ended:							
Oct. 12, 1984	5,314	1,979	3,335	170	700	2,205	460
Oct. 5, 1984	5,359	2,025	3,334	174	716	2,395	516
Oct. 14, 1983	5,338	2,339	2,999	127	637	2,304	479

Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

²Includes Grade No. 4 fuel oil.

* See Revisions on Page 8.

NA-Not Available

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline ¹	Motor Gasoline			Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	Unfinished Oils
		Finished Leaded	Finished Unleaded	Blending Components	Naphtha Type	Kerosine Type			
New England	5,793	2,690	3,102	1	50	636	10,914	1,665	--
Central Atlantic	31,542	11,253	15,968	4,321	282	5,094	35,478	20,694	12,316
Lower Atlantic	27,154	11,384	15,429	341	217	3,776	15,998	4,026	477
DISTRICT 1 TOTAL	64,489	25,327	34,499	4,663	549	9,506	62,390	26,385	12,793
DISTRICT 2 TOTAL	64,339	26,947	29,480	7,912	1,377	9,634	37,457	3,546	18,854
DISTRICT 3 TOTAL	67,840*	20,523	29,598	17,719*	2,658	13,618	33,903*	8,956	51,901
DISTRICT 4 TOTAL	6,335	2,927	1,947	1,461	403	680	3,447	504	2,643
DISTRICT 5 TOTAL	25,736*	8,015	10,088*	7,633	1,672	5,690	10,571	9,139	24,311*
TOTAL U.S.	228,739	83,739	105,612	39,388	6,659	39,128	147,768	48,530	110,502
TOTAL U.S.									
Weeks Ended:									
OCT. 5, 1984	227,672*	84,558	104,958*	38,156*	6,895	39,327	144,031*	47,808	109,632*
OCT. 14, 1983	230,076	97,056	94,460	38,560	6,870	36,161	159,641	48,717	113,216
DISTRICTS 1-4									
Weeks Ended:									
OCT. 12, 1984	203,003	75,724	95,524	31,755	4,987	33,438	137,197	39,391	86,191
OCT. 5, 1984	201,440*	76,316	94,252	30,872*	5,096	33,779	133,153*	38,999	84,660
OCT. 14, 1983	203,069	88,365	84,119	30,585	5,087	30,338	148,904	39,953	90,127

¹Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline blending components.

²Includes Grade No. 4 fuel oil.

*See Revisions on Page 8.

NA-Not Available

WEEKLY STATISTICAL BULLETIN

Week Ended October 12, 1984

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE),
IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production ¹		Crude Oil Imports ¹		Crude Oil Stocks By Location ¹
	API Monthly	Latest Dept. of Energy May 1984	Total	From Canada	
----- Daily Average -----					
DISTRICTS 1-4 TOTAL					
OCT. 12, 1984	5,905.5	6,015.0	3,124	176	261,539
OCT. 5, 1984	5,940.5*	--	3,625*	274	258,583*
SEP. 28, 1984	5,940.5*	--	3,366	224	256,259
SEP. 21, 1984	5,940.5*	--	2,924	230	255,344
DISTRICT 5 TOTAL					
OCT. 12, 1984	2,876.9	2,898.0	329	14	75,574 ‡
OCT. 5, 1984	2,879.2*	--	122	--	72,513
SEP. 28, 1984	2,879.2*	--	116	--	73,433
SEP. 21, 1984	2,879.2*	--	173	--	71,770
‡ INCLUDES 25,569 BBLs. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.					
TOTAL U.S.					
OCT. 12, 1984	8,782.4	8,913.0	3,453	190	337,113 ‡
OCT. 5, 1984	8,819.7*	--	3,747*	274	331,096*
SEP. 28, 1984	8,819.7*	--	3,482	224	329,692
SEP. 21, 1984	8,819.7*	--	3,097	230	327,114
OCT. 14, 1983	8,771.0/a	--	3,340	280	350,524
/a - DOE actual for October 1983.					

LOCATION OF CRUDE OIL STOCKS¹

(In thousands of 42-gallon barrels)

Location	District 1	District 2	District 3	District 4	Districts 1-4	District 5	Total U.S.
Weeks Ended:							
OCT. 12, 1984	16,415	73,948	157,072	14,104	261,539	75,574 ‡	337,113 ‡
OCT. 5, 1984	14,491	73,971	156,102*	14,019	258,583*	72,513	331,096*
OCT. 14, 1983	14,348	77,396	160,072	12,469	264,285	86,239	350,524

¹See definitional notes, Page 6.

*See Revisions on Page 8.

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

	Total Motor Gasoline ¹	Motor Gasoline		Jet Fuel		Distillate Fuel Oil ²	Residual Fuel Oil	L.P.G.	Unfinished Oil ³	Other	Total
		Finished Leaded	Finished Unleaded	Naphtha Type	Kerosine Type						
New England	16	--	16	--	--	57	34	--	--	--	117
Central Atlantic	162	80	82	--	--	122	392	88	--	--	764
Lower Atlantic	58	--	58	--	--	53	166	--	--	--	277
DISTRICT 1 TOTAL											
OCT. 12, 1984	236	80	156	--	--	242	592	88	--	--	1,158
OCT. 5, 1984	360	70	290	54	46	345	243	9	--	35	1,092
SEP. 28, 1984	258	103	155	--	--	264	459	36	--	75	1,092
SEP. 21, 1984	344	199	145	--	32	379	437	--	--	51	1,243
DISTRICTS 2-4 TOTAL											
OCT. 12, 1984	23	8	15	--	--	3	145	68	185	230	654
OCT. 5, 1984	25	17	8	--	--	10	85	103	274	216	713
SEP. 28, 1984	21	5	16	--	--	--	124	105	55	399	704
SEP. 21, 1984	53	16	37	--	--	17	84	72	126	53	405
DISTRICT 5 TOTAL											
OCT. 12, 1984	13	--	13	--	--	10	13	9	15	41	101
OCT. 5, 1984	12	2	10	--	3	6	13	10	25	17	86
SEP. 28, 1984	16	6	12	--	--	23	13	5	8	26	97
SEP. 21, 1984	21	2	19	--	--	7	4	9	15	44	100
TOTAL U.S.	272	88	184	--	--	255	750	165	200	271	1,913
TOTAL U.S.											
Weeks Ended:											
OCT. 5, 1984	397	89	308	54	49	361	341	122	299	268	1,891
SEP. 28, 1984	297	114	183	--	--	287	596	150	63	500	1,893
SEP. 21, 1984	418	217	201	--	32	403	525	81	141	148	1,748
OCT. 14, 1983	224	57	167	--	18	413	806	73	139	211	1,884

¹Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports

²Includes Grade No. 4 fuel oil.

³See definitional notes, Page 6.

NA-Not Available

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the component stocks equals total motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.

Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.

Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subsequent date as more current information is received.

Crude Oil Imports

Refinery receipts of foreign origin.

The Total of crude oil imports includes receipts from Canada.

Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.

Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

ESTIMATED DAILY AVERAGE PRODUCTION OF CRUDE OIL AND LEASE CONDENSATE

(In thousands of 42-gallon barrels)

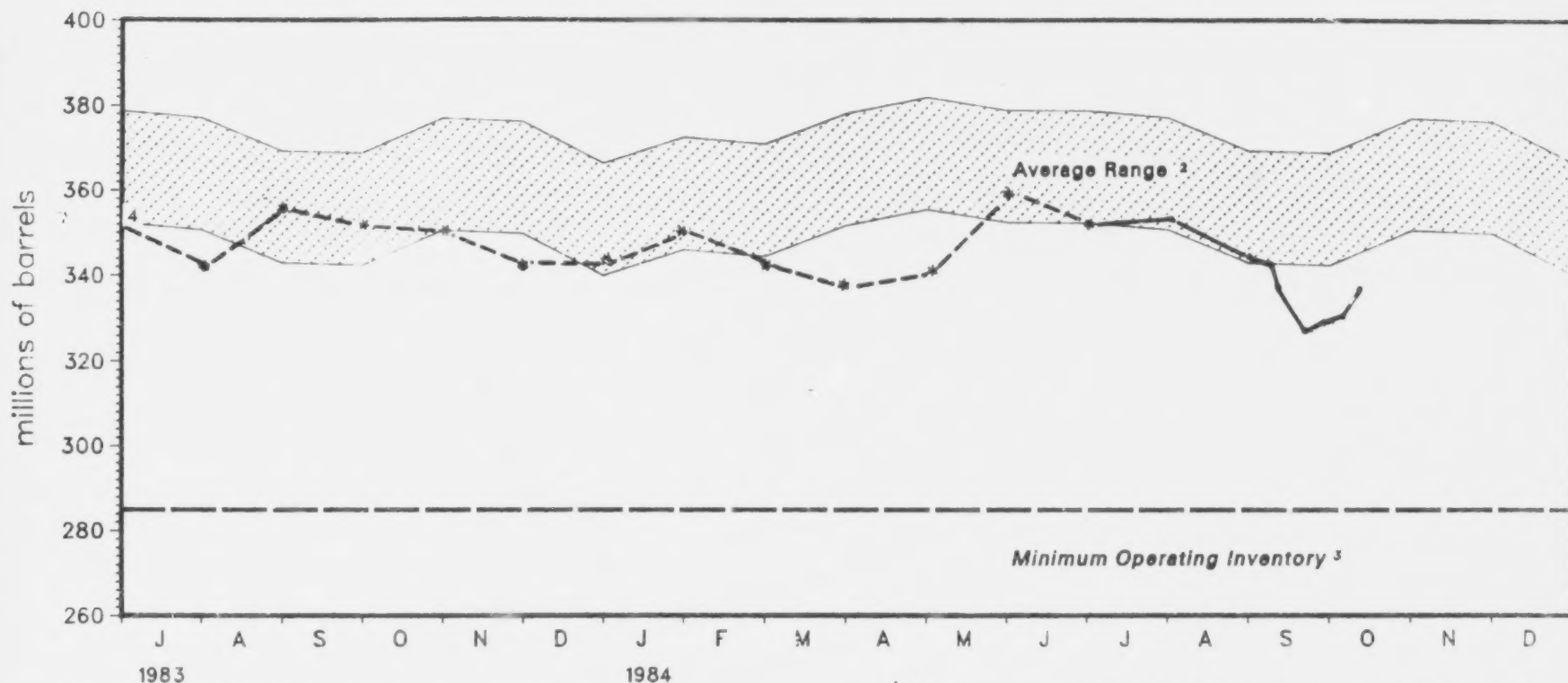
	API Estimated Production		Dept. of Energy July 1984
	September 1984	August 1984	
Florida	39.0	40.0	38.0
New York-Pennsylvania	14.0	14.0	14.0
Virginia	-	-	-
West Virginia	10.0	10.0	11.0
Illinois	80.0	79.0	78.0
Indiana	15.0	16.0	15.0
Kansas	209.0	210.0	216.0
Kentucky	22.0	22.0	21.0
Michigan	85.0	83.0	81.0
Missouri-Tennessee	4.0	4.0	4.0
Nebraska	18.0	18.0	18.0
Ohio	41.0	41.0	41.0
Oklahoma	435.0	445.0	434.0
North Dakota	142.0	144.0	143.0
South Dakota	3.5	3.5	4.0
Alabama	51.0	52.0	54.0
Arkansas	52.0	50.0	52.0
Mississippi	90.0	90.5	90.0
New Mexico-So. East	194.0	190.0	195.0
New Mexico-Other	17.0	17.0	19.0
North Louisiana	91.0	92.0	88.0
South Louisiana	1,299.0	1,300.0	1,335.0
Total Louisiana	1,390.0	1,392.0	1,423.0
Texas			
District 1	71.0	70.0	71.0
District 2	109.0	109.0	108.0
District 3	340.0	335.0	347.0
District 4	78.0	77.0	82.0
District 5	22.0	25.0	22.0
District 6, East Texas Field	136.0	136.0	137.0
Other	115.0	115.0	115.0
District 7-B	97.0	97.0	98.0
District 7-C	98.0	99.0	98.0
District 8 and 8-A	1,230.0	1,236.0	1,225.0
District 9	110.0	109.0	110.0
District 10	63.0	62.0	62.0
Total Texas	2,469.0	2,470.0	2,475.0
Colorado	80.0	78.5	79.0
Montana	79.0	79.0	75.0
Utah	81.0	80.0	88.0
Wyoming	320.0	315.0	327.0
Total Dists. 1-4	5,940.5	5,943.5	6,015.0
Alaska	1,757.2	1,718.7	1,764.0
Arizona	1.0	1.0	1.0
California	1,117.0	1,115.0	1,129.0
Nevada	4.0	3.0	4.0
Total Dist. 5	2,879.2	2,837.7	2,898.0
Total U.S.	8,819.7	8,781.2	8,913.0

API STATISTICAL BULLETIN
WEEK ENDED: OCT. 12, 1984

REVISIONS

10/05/84	PAGE 1	TOTAL REFINERY INPUT	TEXAS GULF COAST	3,395
			DISTRICT 3 TOTAL	6,509
			TOTAL U.S.	13,266
			DISTRICTS 1-4	11,027
		CRUDE OIL RUNS	TEXAS GULF COAST	2,930
			DISTRICT 3 TOTAL	5,754
			TOTAL U.S.	12,086
			DISTRICTS 1-4	9,949
		INPUT TO CRUDE OIL	TEXAS GULF COAST	2,985
			DISTRICT 3 TOTAL	5,823
			TOTAL U.S.	12,201
			DISTRICTS 1-4	10,058
		% OPERABLE	TEXAS GULF COAST	77.8
			DISTRICT 3 TOTAL	78.4
			TOTAL U.S.	75.9
			DISTRICTS 1-4	77.8
	PAGE 2	TOTAL MGAS	DISTRICT 5 TOTAL	1,077
			TOTAL U.S.	6,436
		UNLEADED MGAS	DISTRICT 5 TOTAL	691
			TOTAL U.S.	4,025
	PAGE 3	TOTAL MGAS	DISTRICT 3 TOTAL	67,073
			DISTRICT 5 TOTAL	26,232
			TOTAL U.S.	227,672
			DISTRICTS 1-4	201,440
		UNLEADED MGAS	DISTRICT 5 TOTAL	10,706
			TOTAL U.S.	104,958
		BLENDING COMPS	DISTRICT 3 TOTAL	17,027
			TOTAL U.S.	38,156
			DISTRICTS 1-4	30,872
		DISTILLATE FUEL	DISTRICT 3 TOTAL	33,264
			TOTAL U.S.	144,031
			DISTRICTS 1-4	133,153
		UNFINISHED OILS	DISTRICT 5 TOTAL	24,972
			TOTAL U.S.	109,632
	PAGE 4 T	TOTAL CRUDE OIL IMPORTS	DISTRICTS 1-4 TOTAL	3,625
			TOTAL U.S.	3,747
		CRUDE OIL STOCKS	DISTRICTS 1-4 TOTAL	258,583
			TOTAL U.S.	331,096
	PAGE 4 B	TOTAL	PAD DISTRICT 3	156,102
			TOTAL PAD DISTRICTS 1-4	258,583
			TOTAL U.S.	331,096

Crude Oil Stocks at Primary Level^{1 5}



¹ Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

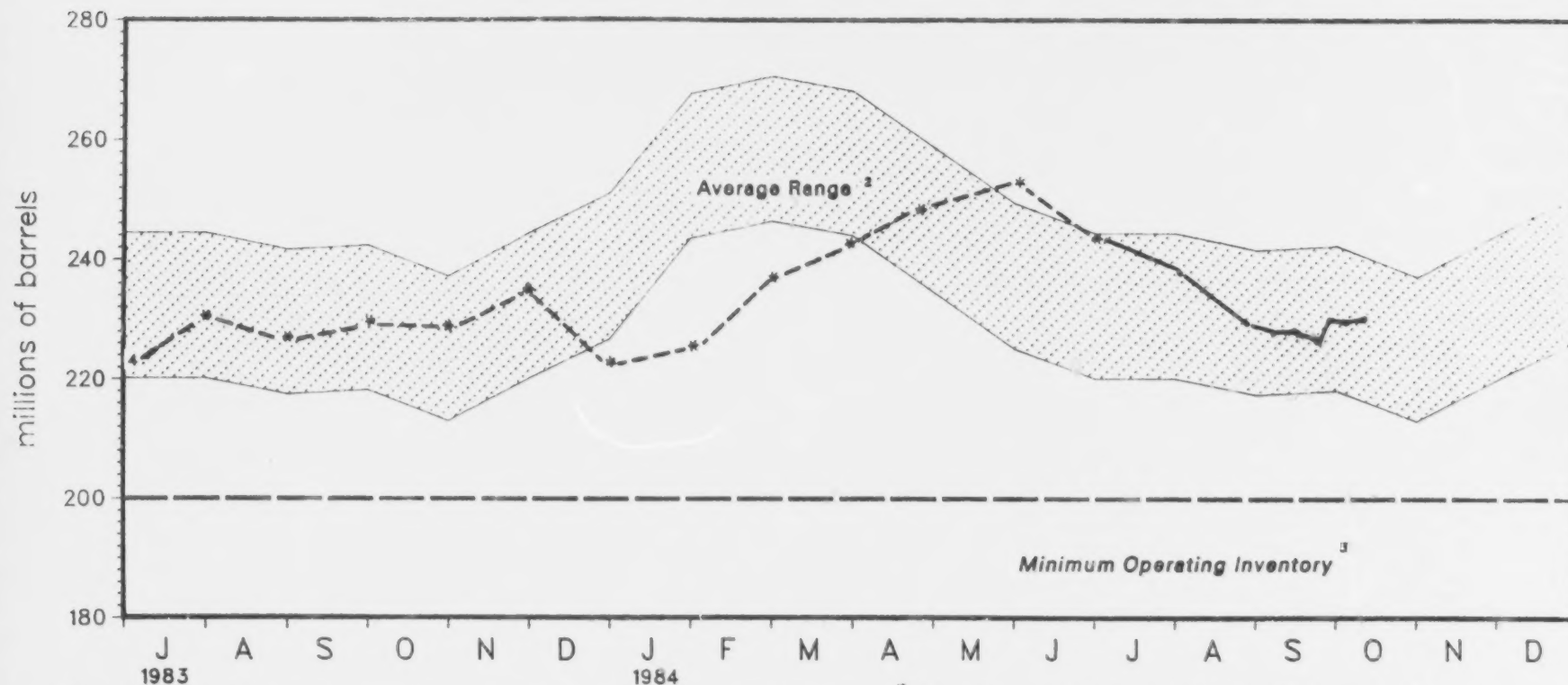
² Average level and width of average range, estimated by DOE, are based on three years of monthly data: Jan. 1981 - Dec. 1983. The seasonal pattern is based on seven years of monthly data: January 1977 - December 1983.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for crude oil at 285 million barrels.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
• -- API, Weekly Statistical Bulletin.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.

Motor Gasoline Stocks at Primary Level ^{1 5}



¹ Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

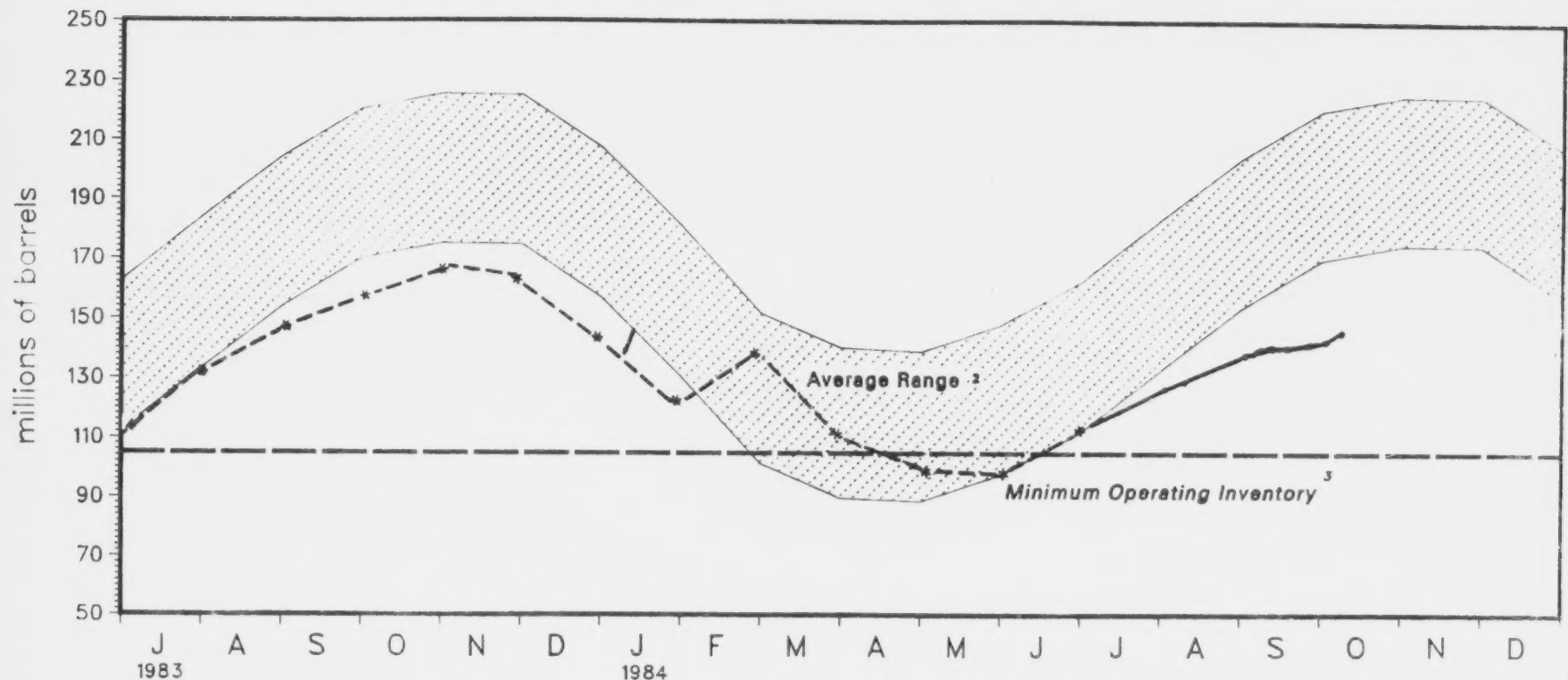
² Average level and width of average range, estimated by DOE, are based on three years of monthly data: Jan. 1981 - Dec. 1983. The seasonal pattern is based on six years of monthly data: January 1978 - December 1983.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for motor gasoline at 200 million barrels.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
* -- API, Weekly Statistical Bulletin.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.

Distillate Fuel Oil Stocks at Primary Level ¹ ⁵



¹ Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

² Average level and width of average range, estimated by DOE, are based on three years of monthly data: Jan. 1981 - Dec. 1983. The seasonal pattern is based on seven years of monthly data: January 1977 - December 1983.

³ The National Petroleum Council (NPC), in November 1983, defined the Minimum Operating Inventory (MOI), as the inventory level below which operating problems and shortages would begin to appear in a defined distribution system. The NPC estimated the MOI for distillate fuel oil at 105 million barrels.

⁴ Source: * -- EIA, Energy Data Reports, Petroleum Statement, Monthly.
• -- API, Weekly Statistical Bulletin.

⁵ The average level and width of average range are based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may be overstated.